

22222222 22222222 22222222 22222222 2222			MM MMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	AAAAAAAAAA AA AA AA AA	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC
PMP	AAAAAA AA AA AA AA	RRRRRRRR RRRRRRRR RR RR RR RR RR RR RRRRRR			

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Version 'V04-000'

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INTERMNAL MACRO TO ALLOCATE SPACE FOR A STRUCTURE

.MACRO SCLIALO SIZE

SCLI. =

.BLKB SIZE \$CLI .. =

. ENDM

: MACRO TO END THE STRUCTURE-RESTORE LOCATION BEYOND THE END

.MACRO SCLIEND

. = \$CLI.. .ENDM

MACRO TO GENERATE A MASK FROM A LIST OF BITS

.MACRO \$MASK LIST, TYPE=BYTE, ?L1

.IF NB <LIST>
.IRP \$\$\$, <LIST>
\$\$\$.=\$\$\$.!<1@\$\$\$>

.ENDR

ENDC \$\$\$.

. ENDM

MACRO TO LOAD A VALUE INTO A STRUCTURE

.MACRO SCLISET SYM, VAL, TYPE=B, IDX

```
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CLIMAC.MAR:1
          . IF NB <VAL>
          . = $CLI.+CLIS'TYPE'SYM

. IFF

. = $CLI.+CLIS'IDX'SYM

.ENDC
            .IF IDN <TYPE><B>
.BYTE VAL
.IFF
               . IF IDN
.LONG
.IFF
                             <TYPE><A>
                             <VAL-SCL1.>
                 . IF IDN
. WORD
. IFF
                            <TYPE><W>
                             VAL
                   IF IDN <TYPE><M>
SMASK <VAL>
                    .IFF
                      .IF IDN
                                       <TYPE><L>
                      LONG VAL
                                       : INVALID DATA TYPE:
                    .ENDC
                 .ENDC
               .ENDC
             .ENDC
          .ENDC
          .ENDM
MACRO TO SET UP VARIABLE LENGHT BIT LIST
. = SCLI.
          .MACRO $BITLST LIST,?L1
                   <LIST>
                   L1-.-1
$$$,<LIST>
$$$
          .BYTE
L1:
SCLI. = .ENDM
MACRO TO GENERATE A CLI CALL BACK REQUEST DESCRIPTOR
```

```
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CLIMAC.MAR; 1
            .MACRO SCLIREQUESC ROTYPE, BITNUM, ROFLGS, ERRACT, ROSIZE, ROADR, -
                                     QUALST, PRSACT, ABSACT
            SCLIDEF
LIST
                                                           : DEFINE VALUES FOR CLI
            SCLIALO CLISC_REQDESC
            SCLISET _RQTYPE,RQTYPE
SCLISET _BITNUM,BITNUM
SCLISET _RQFLGS,<RQFLGS>,M,B
SCLISET _ERRACT,A
SCLISET _RQSIZE,RQSIZE,W
                        ROADR, ROADR, A
QUALST, QUALST, A
             SCLISET
            SCLISET QUALST, QUALST, A
SCLISET PRSACT, PRSACT, A
SCLISET ABSACT, ABSACT, A
            SCLIEND
             . ENDM
  *** TEMP *** OLD NAME OF MACRO
            .MACRO $CLIQUALDEF QDCODE,QDFLGS,TRUACT,FLSACT,TSTLST,SETLST,CLRLST
$CLIQUALDESC QDCODE,QDFLGS,TRUACT,FLSACT,TSTLST,SETLST,CLRLST
  MACRO TO GENERATE A QUALIFIER DESCRIPTOR
            .MACRO SCLIQUALDESC QDCODE, QDFLGS, TRUACT, FLSACT, TSTLST, SETLST, CLRLST, ?Z
            .IF IDN <QDCODE><END_LIST>
.BYTE 0
.IFF
            SCLIALO CLISC_QUALDEF
           $CLISET _QDBLKSIZ,<Z-.>
$CLISET _QDCODE,QDCODE
$CLISET _QDFLGS.<QDFLGS>.M.B
$CLISET _TRUACT.TRUACT.A
$CLISET _FLSACT,FLSACT,A
$BITLST <TSTLST>
$BITLST <SETLST>
            SBITLST <CLRLST>
            SCLIEND
2:
            .ENDC
  MACRO TO GENERATED A COUNTED STRING FOR THE MATCHKEY SUBROUTINE
             .MACRO SKEYWORD
                                                  ST,?L1
```

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L1:

ASCII VSTV

.ENDM

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